

Appendix C

TDF Waste Management Plan Overview



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Overview

This plan is for the initial waste management of the temporary detention facility and will be expanded as site build out allows for more comprehensive permanent solutions to be implemented. The goal of the Division and contracted vendors is to ensure a robust, proactive logistics and installation plan that fully eliminates the potential for environmental issues related to waste production, solid waste management, recycling, construction and demolition debris, and potable water management for all on-site restroom, shower, and laundry trailers by integrating high-capacity containment, secure plumbing, secondary spill containment, solid waste management, recycling, construction and demolition debris handling, and robust monitoring, this plan addresses and eliminates environmental risks, ensuring compliance and safe conditions for site occupants.

Monitoring, Evaluation and Compliance

On-site personnel will monitor biowaste and solid waste storage, potable water systems, dumpster, recycling, and C&D debris areas for leaks, spills, overflow, or contamination. Preventive maintenance schedules will be followed, including pump-outs of frac tanks and timely waste, recycling, and debris hauling. All procedures will comply with federal, state, and local environmental regulations.

Wastewater and Potable Water

Wastewater

Shower, restroom, and laundry units, as well as administrative and billeting trailers produce graywater, blackwater, and lint waste. Each waste-producing trailer will be hard-plumbed directly to designated 22,000-gallon frac tanks, reducing frequency of tank exchanges and minimizing transfer points. Frac tanks will be maintained at less than 50% of capacity. To secure connection points, all waste discharge lines will utilize 2-inch camlock connections. All connection points, hoses, and storage tanks will be within containment trays for spill protection. A trained team will inspect all plumbing and containment systems daily to maintain zero environmental impact.

Potable Water

Potable water will be delivered by 2,000-gallon and 6,000-gallon tanker trucks and transferred via secure plumbing to ensure safe transport and storage. To provide sealed connections, all potable water hookups will use 2-inch camlock fittings for a closed system. Water tanks will be sanitized, flushed, and water quality tested regularly.

Solid Waste

Appropriately sized roll-off dumpsters will be strategically placed throughout the site to handle all solid waste generated by operations and personnel. All dumpsters will be equipped with lids or tarps to prevent littering, wind dispersal, and animal intrusion. Dumpsters will be placed on stable ground with adequate clearance for truck access. A daily swap schedule for removal and replacement will be maintained to prevent overflow and ensure site cleanliness. Waste haulers will be responsible for safe transport and disposal at permitted facilities.

Recycling

Clearly marked recycling containers will be placed next to general waste dumpsters and throughout common areas to encourage source separation of recyclable materials. Materials such as cardboard, plastic, metal, and paper will be collected separately to reduce contamination and maximize recycling efficiency. A dedicated recycling hauler will collect and transport recyclable materials to an approved recycling facility on a routine schedule.

C&D Debris Management

Dedicated roll-off containers will be provided specifically for construction and demolition debris to avoid mixing with general waste and recyclables. Materials such as wood, metal, concrete, and drywall will be separated where practical to facilitate recycling and reuse opportunities. All C&D debris will be removed by licensed haulers and transported to permitted disposal or recycling facilities in compliance with local regulations.

Biowaste

Health and Medical vendor will ensure biohazard waste management involves proper containment, labeling, segregation, and disposal to prevent the spread of infection and environmental contamination. This includes using designated leak-proof, puncture-resistant containers, ensuring proper labeling with the biohazard symbol, and following specific disposal protocols for different types of biohazardous materials, such as sharps and liquid waste.

Containment

Biohazard waste will be placed in sturdy, leak-proof containers that are resistant to punctures. Sharps will be disposed of in designated sharps containers.

Labeling

All containers must be clearly labeled with the universal biohazard symbol and appropriate warnings, such as "Biohazardous Waste" or "Infectious Waste".

Segregation

Different types of biohazardous waste (e.g., sharps, liquid waste, pathological waste) will be segregated into separate containers to minimize risks and facilitate proper treatment.

Disposal

Biohazard waste from the site will be picked up by a certified and registered Biohazard disposal company and disposed of in accordance with Florida regulations.